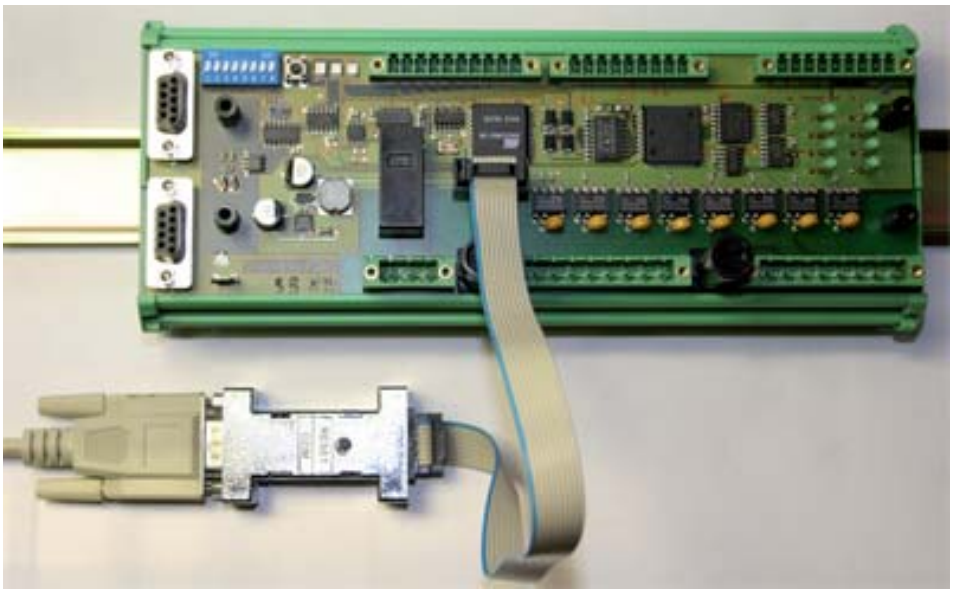


Update SMV 04

PSG Plastic Service GmbH
P.O. Box 42 01 62
68280 Mannheim
Germany
Phone +49 621 7162 0
Fax +49 621 7162 162
www.psg-online.de
info@psg-online.de

Rev. 0.1.3
11/2009

1 Installation 2
2 Appendix 7
2.1 Version History 7

1 Installation

Install the Atmel Software on directory \Atmel\Setup.exe on the attached CD-ROM.

Step 1: Switch off 230 V voltage

Remove the two fuses F1 and F2 on the SMV 04 module.

Step 2: DIP switch setting for CAN current interface CAN STI

Put DIP switch 5 to ON.
The sending of control information to the SMV 04 modules is interrupted.

Step 3: Attachment of program adapter AT-COM

The SMV 04 module exists in two models

- Revision 1 - **without** LEDs
- Revision 2 - **with** LEDs for status indication of controller outputs

The program adapter is attached to the appropriate SMV 04 model as shown in the following two pictures.

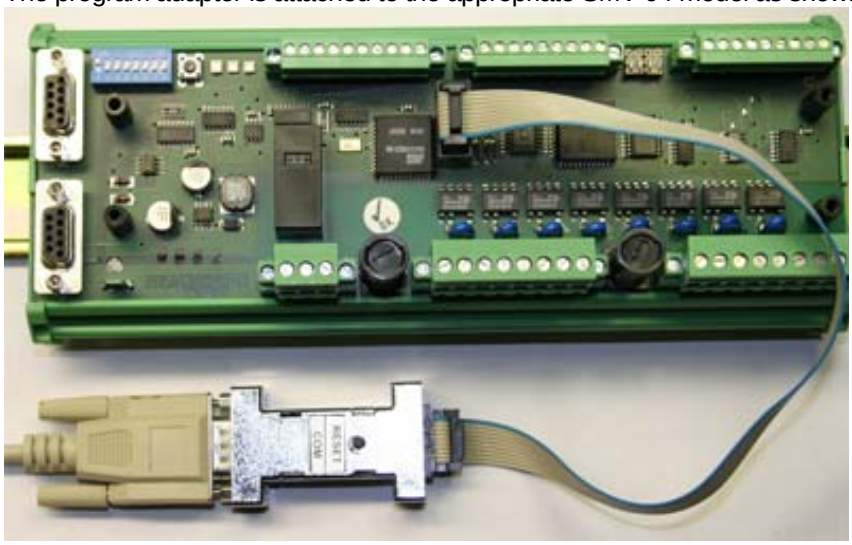


Figure 1 SMV 04 without LEDs

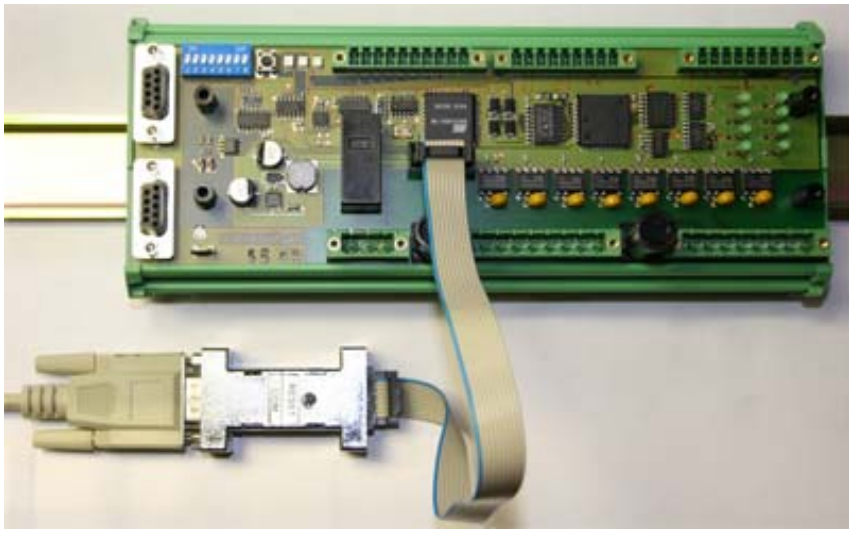


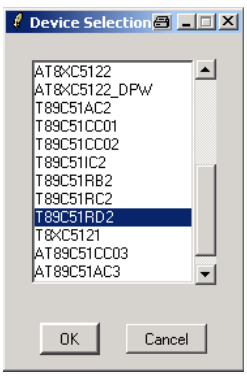
Figure 2 SMV 04 with LEDs

Step 4: Start update software for SMV 04 Controller

Start update software Flip

Use Flip 2.4.2

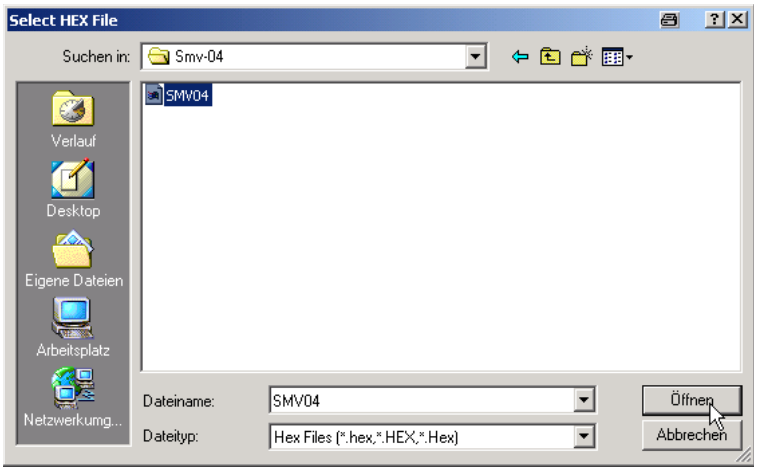
Step 5: Selection of controller type



Select type **AT89C51ED2**

Step 6: HEX file load menu

Step 7: File selection SMV04.HEX

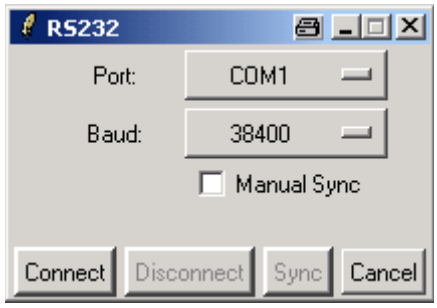


File on CD-ROM

Step 8: Select communication settings

Step 9: Select serial interface

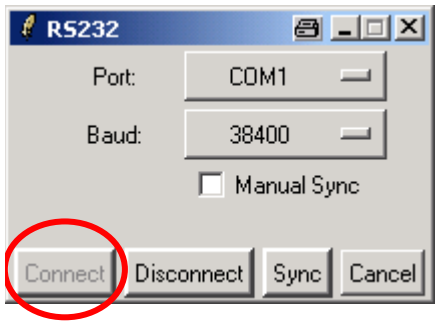
Select interface type RS232



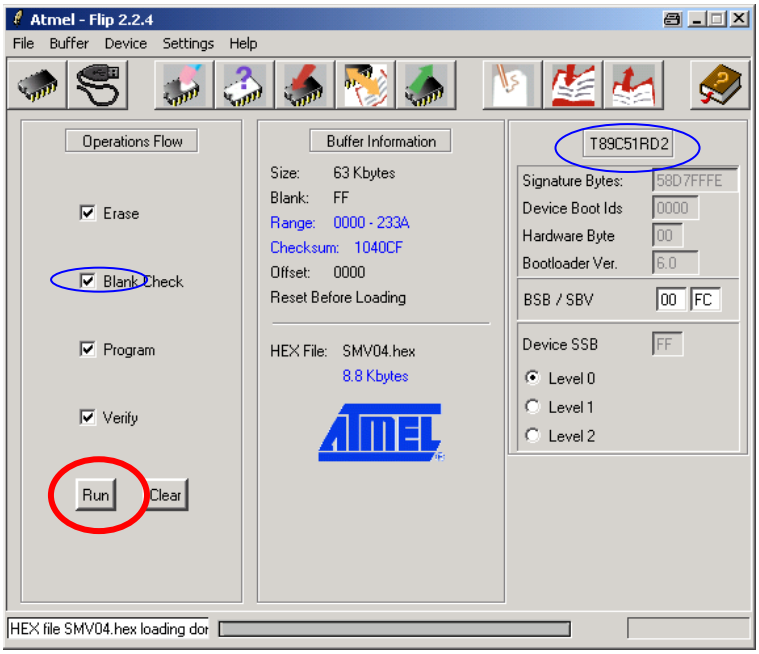
Select COMPORT (dependant on PC, e.g. COM1)

Select baud rate 38400 (or baud rate 19200)

Press **RESET** at AT-COM adapter.



Establish interface connection pressing the button ***Connect***



After a successful connection build-up all processing steps are labelled with a check mark.

Start of processing by clicking on ***Run***

If processing aborts,

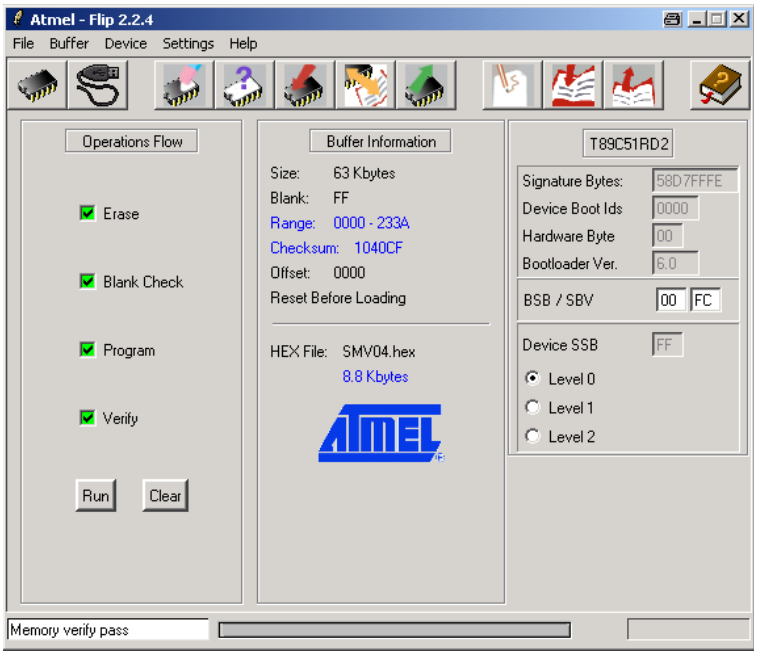
- Check controller type (T89C51RD2) and change it if necessary.

  Start again with ***Run***.

- If controller type is ok deactivate "*Blank Check*".

  Start again with ***Run***.

Step 10: Completion of programming



View after successful programming

Software start after remove of program adapter AT-COM.
After successful update of all SMV 04 modules connected to CAN STI, put DIP switch 5 to OFF.

Step 11: Potentiometer measurement of end position

After completion of programming the potentiometer measurement of end position has to be done according to the instructions of data sheet "Serve valve module SMV 04".

Recommendation: After completion of all steps put a label with firmware version onto SMV 04 module.

2 Appendix

2.1 Version History

Version	Date	Changes
0.1.3	11/12/2009	In detail the following amendments were made: • Installation step 1/2 changed • Flip 2.4.2 amended • Controller type changed (T89C51RD2 -> AT89C51ED2) • Reset before Connect amended
0.1.2	05.10.2005	Feasible baud rate 19200
0.1.1	07.07.2005	Serial interface process abort supplemented
0.1	17.06.2005	First release